Installation and Trim

The ISK1 Keypad is designed to install in a standard US electrical plastic wall box with an internal volume of at least 18 cubic inches (295 cm^3). The keypad occupies a single gang and accepts a Decora® wall plate. For the best accessibility, viewability, and microphone reception, we recommend installing the keypads at a standard thermostat height of 58 to 60 inches (1.5 m). This may vary according to personal preferences or requirements.

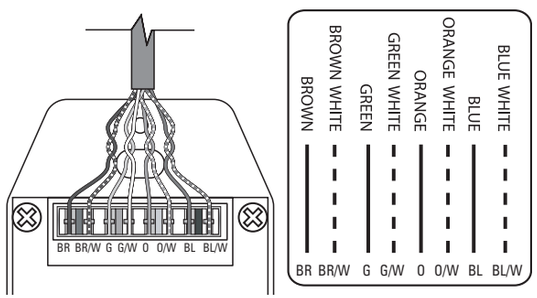
Wiring

ComPoint system components interconnect with CAT-5 cable. Run CAT-5 from the hub location to every keypad location. If the ComPoint system is sharing speakers with an audio system, loop the speaker cables through the keypad locations. If dedicated speakers are being used, run the speaker cables to the keypads.

When running CAT-5 and speaker cables, avoid running them near AC power wiring. If you have to run the cables parallel to electrical wiring, space the cables at least two feet (0.6 m) from the AC power lines.

Connections

The keypad provides a 110 punch-down connector for the CAT-5 cable. Use a punch-down tool to connect the wires according to the connector color code as shown:



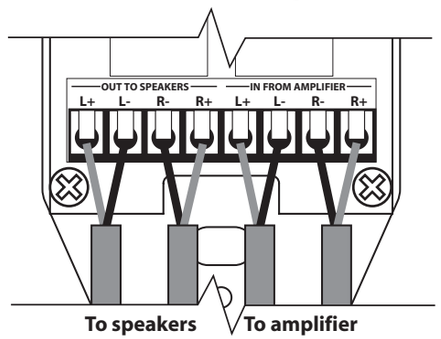
110 punch-down connection

The keypad also has an 8-pole screw-terminal connector for accessing the internal speaker relay. The speakers connect to the output terminals. The input connectors are used for connecting an audio system amplifier when it shares the speakers with the keypad.

Note: Both speaker output channels must be connected, since they are wired in series. If you are using only one dedicated speaker, connect the speaker to one channel and connect a shorting jumper or a 2-watt power resistor of up to 8 ohms to the other channel. If the CAT-5 cable to the keypad is short, a jumper will suffice. If the CAT-5 is long, use a resistor instead to reduce the load on the keypad amplifier.

Be sure to observe correct polarity when connecting the speaker wires. The standard color code for 4-conductor speaker cable is as follows:

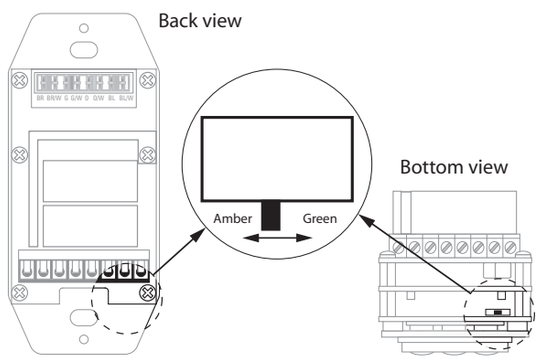
Wire Color	Polarity
White	Left +
Green	Left –
Black	Right –
Red	Right +



Speaker connections

Backlight Color Selection

To select the keypad backlight color, use the miniature slide switch located on the bottom edge of the first circuit board behind the keypad yoke.



Backlight color selection switch

For more information, see the ComPoint system manual.

Technical Specifications

User controls:	6 zone selection/indication keys Talk key 2 door selection/indication keys DND selection/indication key Volume Up and Volume Down keys
Backlighting:	Installer-selectable amber or green
Audio input:	Built-in microphone with automatic gain control
Amplifier:	Monaural (for system functions only)
Amplifier power:	2 watts
Min. load impedance:	6 ohms per channel
Speaker relay:	4-pole double-throw
Speaker relay rating:	50 watts RMS continuous
Speaker connector:	8-pole screw terminal
Speaker wire size:	Up to 14 AWG (1.63 mm)
CAT-5 connector:	110 punch-down block
Power consumption:	15 VDC 800 mA maximum, 200 mA typical
Keypad style:	Single-gang Decora®
Dimensions:	1.875" W x 4.188" H x 2.5" D (4.8 x 10.6 x 6.4 cm)
Weight:	4.8 oz (136 g)

Warranty

The Russound ISK1 Keypad is fully guaranteed for two (2) years from the date of purchase against all defects in materials and workmanship. For this warranty to apply, the unit must be installed and used according to its written instructions. During this period, Russound will replace any defective parts and correct any defect in workmanship without charge for either parts or labor. Accidental damage and shipping damage are not considered defects under the terms of this warranty. Russound assumes no responsibility for defects resulting from abuse or servicing performed by an agency or person not specifically authorized in writing by Russound. If service is necessary, it must be performed by Russound. Damage to or destruction of components due to excessive power voids the warranty. In these cases, the repair will be made at the owner's expense. To return for repairs, the unit must be shipped to Russound at the owner's expense, along with a note explaining the nature of the service required. Be sure to pack in a corrugated container with at least 3 inches of resilient material to protect the unit from damage in transit.

Before returning a unit for repair, call Russound at 603.659.5170 for a Return Authorization number. Write the RA number on the shipping label and ship to: Russound, 5 Forbes Road, Newmarket NH 03857.

Russound sells product only through authorized dealers and distributors to ensure that customers obtain proper support and service. Any Russound product purchased from an unauthorized dealer or other source, including retailers, mail order sellers and online sellers will not be honored or serviced under existing Russound warranty policy. Any sale of products by an unauthorized source or other manner not authorized by Russound shall void the warranty on the applicable product.

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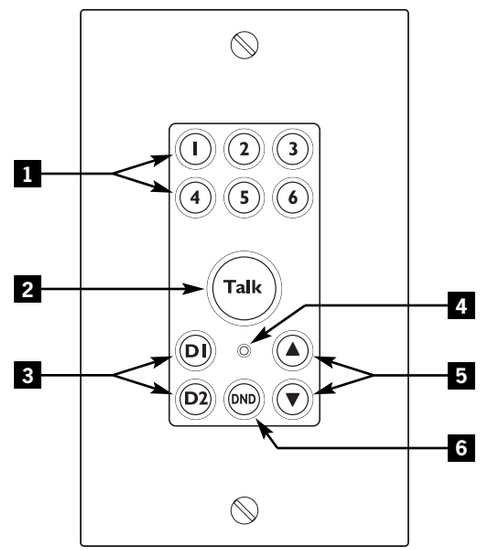
ISK1 Basic Keypad
Instruction Manual

Product Overview

The ISK1 Basic Keypad is a single-gang Decora®-style in-wall keypad for use in a ComPoint™ intercom system with up to six zones. Besides a Talk key, it has keys for selecting target zones and door stations, adjusting volume, and enabling Do Not Disturb mode. The keypad has installer-selectable amber or green key backlighting.

The keypad uses one or two external speakers. A built-in speaker relay allows it to share speakers with an audio system for high-fidelity communications.



1 ZONE KEYS – Select zones for intercom sessions and indicate zones originating communications

2 TALK KEY – Activates microphone for outgoing communications

3 DOOR KEYS – Select and indicate door stations; also activate door strike release module

4 MICROPHONE – Picks up user's voice for communications and ambient sounds for Listen mode

5 VOLUME KEYS – Control keypad output volume

6 DND KEY – Enables and disables Do Not Disturb mode for the zone

Operation

The ISK1 Keypad allows you to perform the following functions:

- System-wide paging
- Point-to-point intercom
- Call and reply to door station
- Door strike release
- Listen to another zone

It also allows you to put the zone in Do Not Disturb mode to prevent communications and doorbell chimes from being heard in the room where it's installed.

Paging

To send a page, press and hold the Talk key and speak. Release the key when you're done speaking.

If one of the zone keys is lighted red before you press the Talk key, first press the zone key to deselect that zone before you send the page. Otherwise, your message will go only to the selected zone.

If the system is busy when you press the Talk key, the Talk key blinks red for 7 seconds.

When you press the Talk key, all keypads sound a single ping tone to announce your message. They also indicate which zone you're sending from by lighting the zone key red. The zone indication remains for 30 seconds after you release the Talk key.

The keypads also sound a double ping when you release the Talk key. This lets others know they can reply to the page within 30 seconds.

To reply to a page from another zone within the 30-second limit, press and hold the Talk key and speak. Your reply will be heard only in the zone that sent the page.

Paging is not allowed when there is a door station call, intercom session, or other page in progress. Also, a door station call takes precedence over a page and thus interrupts a page in progress.

Intercom

To talk with someone in another zone, first press and release that zone's key. The key lights up red to indicate the zone is selected. Press and hold the Talk key and speak. Release the Talk key when you're done speaking.

If the system is busy when you try to start an intercom session, the Talk key blinks red for 7 seconds.

If the selected zone is in Do Not Disturb mode, the zone key and DND key blink rapidly for 7 seconds.

When you press the Talk key on the sending keypad, the receiving keypad sounds a single ping and indicates the sending zone by lighting up that zone's key in red.

When you release the Talk key, both the sending and receiving keypads sound a single ping to signal the person receiving can reply hands free within 7 seconds. After the 7 seconds, the keypads sound a double ping to signal the end of the hands-free reply period.

To reply to an intercom from another zone before the double ping, just speak. After the double ping, press and hold the Talk key while you speak. You can reply as long as the sending zone's key is lighted red.

An intercom session is not allowed when there is a page, door station call, or other intercom session in progress. Also, a door station call takes precedence and thus interrupts an intercom session in progress.

Door station call

The door station call function gives you the convenience of answering the door from any keypad.

When a visitor rings the doorbell from a door station, all keypads indicate the calling door station for 15 seconds by lighting the door key red.

To reply to a door station call within the 15 seconds, press and hold the Talk key on a keypad and speak. Release the Talk key when you're done speaking.

Please note that you must use the Talk key when replying to a door station call. For your privacy, ComPoint does not allow a hands-free reply to the door station.

When you release the Talk key, the door station sounds a single ping to let the caller know they can answer your reply hands free within 7 seconds. After the 7 seconds, the door station pings twice to indicate the end of the communication.

After 15 seconds, you can reconnect by selecting the door station on the keypad and pressing the Talk key to start a new intercom session. This does not ring the doorbell.

Door strike release

If your ComPoint system includes an optional ISDR1 Door Strike Release Module, you can activate it from a keypad to unlock the door.

To activate a Door Strike Release Module, press and hold the appropriate door station key for 3 seconds. The module then activates and the keypad confirms activation with a buzz tone through the speakers.

Listen to another zone

You can use your ComPoint system to continuously listen to any single zone from one or more other zones. This is done by first turning on a keypad microphone in the zone you want to listen to, then selecting that zone on one or more other keypads.

To turn on a keypad's microphone, select the keypad's own zone on that keypad. The Talk key lights up red and the zone key blinks to indicate the microphone is active.

To listen to the zone with the active microphone from other keypads, select that zone on the other keypads. The zone key on each keypad blinks three times and then remains lighted red to indicate the system is in Listen mode.

To exit Listen mode, press any key other than Volume Up or Volume Down in the zone you're listening to. Listen mode cannot be disabled from any other zone.

Other communication events have priority over Listen mode and thus interrupt listening to another zone.

Do Not Disturb mode

You can prevent pages, intercom sessions, door station calls, and doorbell chimes from being heard in any zone by using Do Not Disturb (DND) mode.

To turn on DND mode, press and release the DND key. The DND key lights up red to indicate DND mode is on.

To cancel DND mode, press any key other than Volume Up or Volume Down. The red DND light shuts off.

Combined Listen and DND modes

You can use DND mode in a zone you are listening to. This way the zone you're listening to won't be disturbed by the doorbell or communication events.

To set up a zone for listening and DND, first select that zone on its own keypad. Then press and release the DND key.

The Talk key and DND key light up red and the zone key blinks to indicate the keypad's microphone is on and the zone is also in DND mode.

Volume adjustment

To adjust the output volume of the keypad, press either the Volume Up or Volume Down key. This affects the volume of all communications heard in that zone, and depending on how the system hub is configured, may also affect the doorbell volume in the zone.

The Volume Up and Volume Down keys do not affect the volume of the multiroom audio program in the zone.

Safety Precautions

For your safety, please read and follow these precautions before installing or using this product:

- **Read instructions.** Read and understand all the applicable instructions before installing or operating the product.
- **Retain documents.** Keep this manual in a convenient place for reference.
- **Heed warnings.** Be aware of all warnings on the product and in the instructions.
- **Follow instructions.** Install and use this product only as described in the instructions. Don't try to use this product in ways it wasn't designed for.
- **Use indoors only.** Don't expose this product to the weather or harsh environmental conditions such as continuous sunlight, excessive humidity, or rain.
- **Keep product dry.** Don't use the product near water; for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool. Also, do not handle the product when your hands are wet or damp.
- **Avoid heat.** Locate the product away from heat sources such as radiators, heat registers, stoves or other appliances that produce heat.
- **Use the right power.** Don't connect the product directly to electrical line voltage. Use only the power adapter provided with the product, described in the product specifications or installation instructions, or as marked on the product.
- **Ground product properly.** Make sure the product's means of grounding or polarization is not defeated.
- **Keep product clean.** From time to time, wipe off the product with a clean soft cloth. Don't use abrasive materials, thinners, alcohol or other chemical solvents or materials.
- **Avoid spills and foreign objects.** Make sure liquids and objects don't get into the product through any openings.
- **Get professional service.** Have the product serviced only by qualified service personnel when:
  - Liquids have spilled or objects have fallen into the product
  - The product has been exposed to rain
  - The product doesn't appear to operate normally
  - The product is damaged

  Don't attempt to service the product yourself. Doing so will void the warranty.

If you have any questions, call Russound at 1-800-638-8055 or 603-659-5170.